

AMENDMENTS

IN THE CLAIMS:

1. (Previously Presented) A video imaging system, the system comprising:

a master video camera for producing video images of a moving object of interest;

a plurality of additional video cameras each positioned at a different location surrounding the object of interest for producing additional video images of the object of interest from different spatial perspectives;

a control system for controlling said additional video cameras in response to the master video camera to follow movement of the object of interest, wherein said control system includes a means for controlling the focal length of each additional camera such that the size of the moving object of interest is generally equal in each of the master and additional cameras;

a recording system for recording the video images produced by the master camera and the additional cameras; and

a user interface for selecting particular ones of the video images for display, wherein said user interface includes a single control device which is adapted to select successive video images from a plurality of additional cameras, each successive one of said plurality of additional cameras being adjacent to a preceding camera, in order to effectuate a partial rotation around the object of interest in the display by moving through said plurality of adjacent additional camera images, such that the size of the object of interest remains generally equal throughout the rotation through successive adjacent additional camera images.

2. (Original) The video imaging system of claim 1, further comprising:

a monitoring unit for transmitting signals representative of an operating status of the master camera to the control system; and

a plurality of positioning units for positioning the additional cameras in response to control signals from the control system.

3. (Cancelled).

4. (Previously Presented) The video imaging system of claim 1, wherein the user interface permits the sequential selection of individual frames in the video images.

5. (Original) The video imaging system of claim 1, wherein the control system comprises:

a pan control, a tilt control, a focus control and a frame control for each of the additional video cameras; and

a computer processor for coordinating operation of the pan control, the tilt control, the focus control and the frame control for each additional video camera in response position and focus parameters of the master video camera.

6. (Previously Presented) The video imaging system of claim 1, further comprising:

a plurality of microphones positioned at the locations of predetermined ones of the additional cameras; and

the microphones being coupled to the control system to supply signals representative of audio signals received by the microphones.

7. (Previously Presented) A method of generating a video image, said method comprising the steps of:

producing a master video image of a moving object of interest;

producing additional video images of the object of interest from different spatial perspectives; and

controlling characteristics of said additional video images in response to the master video image to track the object of interest wherein the object of interest is maintained at a generally equivalent size in each of said additional video images by controlling a focal depth of a camera associated with each said additional video images, further wherein a user interface is used to select between the master video image and a plurality of successive adjacent additional user images in order to effectuate a partial rotation around the object of interest by moving through the images from the plurality of successive adjacent additional user images.

8. (Original) The method of claim 7, further comprising the steps of: storing the master video images and the additional video images; and selecting particular ones of the video images for display.

9. (Original) The method of claim 7, wherein the step of selecting particular ones of the video images for display comprises the step of: sequentially selecting individual frames in the video images.

10. (Original) The method of claim 7, further comprising the steps of: producing signals representative of audio signals received at selected ones of the different spatial perspectives.

11. (Previously Presented) A method of generating a television image, said method comprising the steps of:

producing a plurality of video images of an object of interest from a plurality of spatial perspectives;

displaying one of said video images for a period of time;

selecting a frame in the displayed video image; and

switching the displayed video image among a plurality of corresponding frames of said plurality of video images to display the object of interest from multiple spatial perspectives, wherein the object of interest is

maintained at a generally equivalent size in each of said plurality of video images by controlling a focal depth of a camera associated with each of said plurality of video images, further wherein a user interface is used to select between the master video image and a plurality of successive adjacent additional user images in order to effectuate a partial rotation around the object of interest by moving through the images from the plurality of successive adjacent additional user images.

12. (Original) The method of claim 11, further comprising the steps of:
displaying another one of the plurality of video images.

13. (Previously Presented) A method of generating a television image,
said method comprising the steps of:

producing a plurality of video images of an object of interest from a
plurality of spatial perspectives;

displaying one of said video images for a period of time; and

switching the displayed video image among said plurality of video
images to display the object of interest from multiple spatial perspectives, wherein
the object of interest is maintained at a generally equivalent size in each of said
plurality of video images by controlling a focal depth of a camera associated with
each of said plurality of video images, further wherein a user interface is used to
select between the master video image and a plurality of successive adjacent
additional user images in order to effectuate a partial rotation around the object of
interest by moving through the images from the plurality of successive adjacent
additional user images.

14. (Previously Presented) The system of Claim 1, wherein said
successive additional camera images displayed during said rotation were all
captured at the same time.

15. (Previously Presented) The system of Claim 1, wherein said successive additional camera images displayed during said rotation were captured sequentially in time.

16. (Previously Presented) The system of Claim 6, wherein said control system assigns a delay to each of said sounds signals to account for the relative distance between each microphone and the object of interest.